AMENDMENTS TO THE CLAIMS:

Please amend claims 1 and 3, as follows. This listing of claims will replace all prior versions,

and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A metal-bonded grinding tool comprising:

a base; and

abrasive grains bonded to said base by means of a metal bond matrix, said metal bond matrix

consisting essentially of:

containing a Cu alloy as a main component;

zirconium; and

titanium;

wherein said metal bond matrix contains at least one of zirconium and said titanium being

present as one of an alloy phase, a mixed phase, and an intermetallic compound of Zr and Ti.

Claim 2 (Original): A metal-bonded grinding tool according to claim 1, wherein a content

of said at least one of an alloy phase, a mixed phase, and an intermetallic compound of Zr and Ti in

said metal bond matrix is in a range of 3.8 to 19.2 wt%.

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Claim 3 (Currently amended): A metal-bonded grinding tool according to claim 2, comprising:

a base; and

abrasive grains bonded to said base by means of a metal bond matrix containing a Cu alloy as a main component;

wherein said metal bond matrix contains at least one of an alloy phase, a mixed phase, and an intermetallic compound of Zr and Ti,

wherein the content of said at least one of an alloy phase, a mixed phase, and an intermetallic compound of Zr and Ti in said metal bond matrix is in a range of 6.4 to 14.1 wt%.

Claim 4 (Original): A metal-bonded grinding tool according to claim 1, wherein a weight ratio of Ti to Zr is in a range of 0.5 to 2.0.

Claim 5 (Original): A metal-bonded grinding tool according to claim 1, wherein said Cu alloy is selected from a group consisting of a bronze containing 10 to 33 wt% of Sn, a brass containing 5 to 20 wt% of Zn, and an aluminum bronze containing 5 to 20 wt% of Al.

Claim 6 (Original): A metal-bonded grinding tool according to claim 1, wherein said abrasive grains are abrasive grains of a material selected from a group consisting of diamond, cubic boron nitride, silicon carbide, and cemented carbide.